

Contents Volume 29

Vol. 29, No. 1 (February 1993)

Publisher's Note	v
I.R. Edmonds	
Performance of laser cut light deflecting panels in daylighting applications	1
M.N. Islam, B.K. Samantaray, K.L. Chopra and H.N. Acharya	
Microstructural characterization of transparent conducting aluminium doped zinc oxide films prepared by spray pyrolysis	27
A.W. Smith and A. Rohatgi	
Ray tracing analysis of the inverted pyramid texturing geometry for high efficiency silicon solar cells	37
A.W. Smith and A. Rohatgi	
A new texturing geometry for producing high efficiency solar cells with no antireflection coatings	51
S.K. Sharma, A. Agarwal, S. Anandavally, N. Srinivasamurthy and B.L. Agrawal	
Prediction of solar array power output based on limited measured data	67
R. van den Berg, M. Bölingen and R.D. Wieting	
What does "one-sun intensity" mean for <i>I</i> - <i>V</i> curve measurement? Intensity-induced errors on different types of large area a-Si modules	77
G. Di Francia, L. Abenante and L. Fornarini	
Indoor <i>I</i> - <i>V</i> swept technique: model and experimental results	85

Vol. 29, No. 2 (March 1993)

M. Abdel Naby, A. Zekry, F. El Akkad and H.F. Ragaei	
Dependence of dark current on zinc concentration in $Zn_xCd_{1-x}S/ZnTe$ heterojunctions	97
K. Tennakone, S. Senadeera and A. Priyadarshana	
TiO_2 catalysed photo-oxidation of water in the presence of methylene blue	109
Y. Guo and X. Deng	
Electrodeposition of CdTe thin films and their photoelectrochemical behaviour	115

Y. Guo and X. Deng	
Effects of surface modification on the PEC performance of electrochemically deposited n-CdTe films	123
E. Ech-chamikh, M. Azizan, E.L. Ameziane, J.Y. Veuillet and M. Brunel	
Structural and chemical analysis of all sputtered a-Si/a-C multilayers	131
J.J. Gandía, M.T. Gutiérrez and J. Cáraibe	
Properties of p-type amorphous silicon carbide window layers prepared using boron trifluoride	139
T.K. Lee, D.H. Kim and P. Chungmoo Auh	
The optical characteristics of black chrome solar selective films coated by the pulse current electrolysis method	149
B.M. Başol, V.K. Kapur, A. Halani and C. Leidholm	
Copper indium diselenide thin film solar cells fabricated on flexible foil substrates	163
A.G. Aberle, S. Glunz and W. Warta	
Field effect passivation of high efficiency silicon solar cells	175
S.S. Dhumure and C.D. Lokhande	
Studies on photoelectrochemical storage cells formed with chemically deposited CdSe and Ag ₂ S electrodes	183

Vol. 29, No. 3 (April 1993)

F. Zhang, Z. Song, Y. Guo and G. Chen	
High-photosensitivity a-SiGe : H films prepared by RF glow discharge plasma CVD method	195
N. Enebish, D. Agchbayar, S. Dorjkhand, D. Baatar and I. Ylemj	
Numerical analysis of solar cell current-voltage characteristics	201
H. Nguyen Cong, C. Sene and P. Chartier	
Cadmium sulfide thickness effect on the photoresponse of the CdS(Al) spray/poly(3-methylthiophene) solid state junction	209
M. Papini	
Reflectance-absorptance characteristics of natural fiber surfaces	221
K. Azuma, M. Tanaka, M. Nakatani and T. Shimada	
The transition state of disilane plasma	233
A. Takeoka, S. Kouzuma, H. Tanaka, H. Inoue, K. Murata, M. Morizane, N. Nakamura, H. Nishiwaki, M. Ohnishi, S. Nakano and Y. Kuwano	
Development and application of see-through a-Si solar cells	243

A.J. Varkey and A.F. Fort	
Some optical properties of silver peroxide (AgO) and silver oxide (Ag_2O) films produced by chemical-bath deposition	253
J.J. Liou	
Physical models for predicting the performance of Si/Si, AlGaAs/GaAs, and Si/SiGe solar cells	261
S.K. Das	
Characterisation of CdCl_2 treated electrodeposited CdS/CdTe thin film solar cell	277
A. Ennaoui, S. Fiechter, C. Pettenkofer, N. Alonso-Vante, K. Büker, M. Bronold, C. Höpfner and H. Tributsch	
Iron disulfide for solar energy conversion	289
J.P. Cronin, D.J. Tarico, J.C.L. Tonazzi, A. Agrawal and S.R. Kennedy	
Microstructure and properties of sol-gel deposited WO_3 coatings for large area electrochromic windows	371
J.K. Arch, J.H. Werner and E. Bauser	
Hall effect analysis of liquid phase epitaxy silicon for thin film solar cells	387
R. Brendel and H.J. Queisser	
On the thickness dependence of open circuit voltages of p-n junction solar cells	397
P. Würfel	
Limiting efficiency for solar cells with defects from a three-level model	403
Letter to the Editor	415
Errata	417
Call for Papers	419
Author Index	420
Contents Volume 29	425